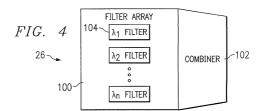
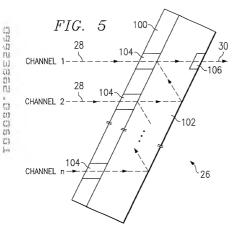
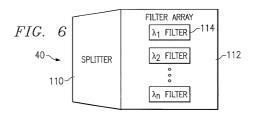
Tunable Channel Spacing for Wavelength Division Multiplexing (WDM) Transport System Inventor: David G. Way Attorney's Docket No.: 064731.0206 Sheet I of 6 Filed: August 6, 2001 TRANSPONDER =용 용 OUTPUT PORT ADJUSTABLE CLOCK EME . . . WDM DEMUX INPUT PORT 30 20 OPTICAL TRANSMITTER SIGNAL MODULATOR DATA WDM MUX EMS LASER TRANSMITTER 28 20. 5

Tunable Channel Spacing for Wavelength Division Multiplexing (WDM) Transport System Inventor: David G. Way Attomey's Docket No.: 064731.0206 Sheet 2 of 6 Filed: August 6, 2001

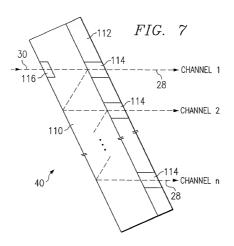


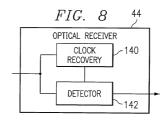




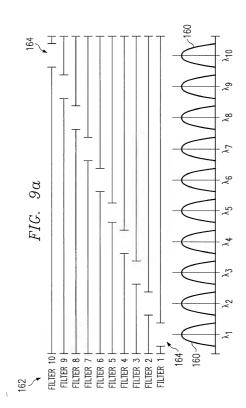
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Tunable Channel Spacing for Wavelength Division Multuplexing (WDM) Transport System Inventor: David G. Way Attorney's Docket No.: 064731.0206 Sheet 3 of 6 Filed: August 6, 2001

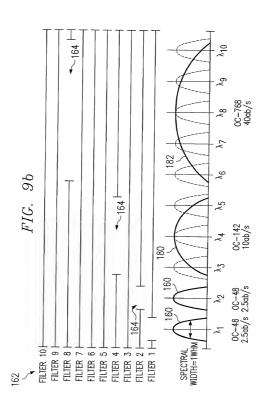




Tunable Channel Spacing for Wavelength Division Multiplexing (WDM) Transport System Inventor: David G. Way Attorney's Docket No.: 064731.0206 Sheet 4 of 6 Filed: August 6, 2001



Tunable Channel Spacing for Wavelength Division Multiplexing (WDM) Transport System Inventor: David G. Way Attorney's Docket No.: 064731.0206 Sheet 5 of 6 Filed: August 6, 2001



Inventor: David G. Way Attorney's Docket No.: 064731.0206 Sheet 6 of 6 Filed: August 6, 2001 START RECEIVE REQUEST TO 200 PROVISION CHANNEL -202 DETERMINE BIT RATE OF CHANNEL FIG. 10 SELECT OPTICAL 204 TRANSMITTER FOR CHANNEL DETERMINE SPECTRUM WIDTH FOR -206 CHANNEL BASED ON BIT RATE -208 SELECT BASE CHANNEL GROUP COVERING SPECTRUM WIDTH FOR THE CHANNEL SET TRANSPONDER TO CENTER -210 FREQUENCY FOR GROUP SET TRANSPONDER CLOCK -212 SOURCE FOR CHANNEL BIT RATE -214 CONNECT TRANSPONDER SET TRANSMIT CHANNEL FILTER TO -216 SPECTRUM WIDTH FOR CHANNEL CLOSE NEIGHBORING 218 TRANSMIT FILTERS IN GROUP SET RECEIVE CHANNEL FILTER TO 220 SPECTRUM WIDTH FOR CHANNEL CLOSE NEIGHBORING 222 RECEIVE FILTERS IN GROUP SELECT OPTICAL RECEIVER FOR CHANNEL CONNECT OPTICAL RECEIVER END

Tunable Channel Spacing for Wavelength Division Multiplexing (WDM) Transport System